

Claims

1. Changer (1) for optical recording media (24) including a movable drawer (12) supporting a number of trays (2) arranged one above the other, each tray (2) being capable of holding an optical recording medium (24), the trays (2) being mounted such that they are pivotable about a horizontal axis, **characterized in that** the trays (2) are pivoted about the horizontal axis by a rotating movement of a rotation cam (20) connected to the drawer (12).

2. Changer (1) according to claim 1, **characterized in that** the trays (2) are mounted in guide rails (6) mounted at a first end via a first hinge (8) at the drawer (12) and mounted via a second hinge (9) at the rotation cam (20).

3. Changer (1) according to claim 2, **characterized in that** the second hinge (9) is located between the first hinge (8) of the guide rail (6) and the second end of the guide rail (6).

4. Changer (1) according to one of claims 1-3, **characterized in that** the rotation cam (20) is rotated by a cam driver (17) connected to the rotation cam (20).

5. Changer (1) according to claim 4, **characterized in that** the cam driver (17) moves linearly relative to the drawer (12).

6. Changer (1) according to one of the preceding claims, **characterized in that** a stopper (25) is provided for preventing the slipping of an optical recording medium (24) into the changer (1) when the trays (2) are pivoted.

7. Changer (1) according to claim 6, **characterized in that** the stopper (25) comprises a rotation bar (27) rotatable from a retracted position to a stopping position and vice versa.

8. Changer (1) according to claim 7, **characterized in that** a locking means (11) is provided for securing the rotation bar (27) in the stopping position and/or the retracted position.

9. Changer (1) according to claim 7 or 8, **characterized in that** the rotation of the rotation bar (27) from the retracted position to the stopping position and vice versa is controlled by a cam (29).

10. Changer (1) according to one of the preceding claims, **characterized in that** the rotating movement of the rotation cam (20), the linear movement of the cam driver (17), and/or the rotation of the rotation bar (27) are implemented by electro-mechanical driving means.

11. Changer (1) according to any of the preceding claims, **characterized in that** the trays (2) are provided with means for securing the optical recording media (24) in the trays (2) and in that the changer (1) is arranged vertically.

12. Apparatus for reading from and/or writing to optical recording media (24), **characterized in that** it comprises a changer (1) for optical recording media (24) according to any of claims 1-11.